

TITLE: Identified Structure of a Controlling Bulb and a Normal Bulb

BACKGROUND OF THE INVENTION

A conventional decorative light string is provided with several
5 controlling bulbs between the normal bulbs for obtaining twinkling effect.
The controlling bulb can control the normal bulb to twinkle randomly. In
assembling the bulb on the light string, the controlling bulb must be
connected at a right position. The known controlling bulb has a same
outlook as the normal bulb. It is somehow different to identify a
10 controlling bulb from a normal bulb. The worker is very trouble when he
is assembling the bulb. If the controlling bulb were connected at a wrong
position, the light string would be unavailable for use.

The present invention is to provide an identified structure of a
controlling bulb and a normal bulb of a decorative light string, wherein
15 the controlling bulb can be identified from a normal bulb. And the
controlling bulb can and only can connect with relating controlling socket
at its right position on the light string.

BRIEF DESCRIPTION OF THE DRAWINGS

20 The following drawings indicate the character and improvement of
the present invention.

Figure 1 is an exploded perspective view showing a normal bulb and
its relating holder and socket according to the present invention.

Figure 2 is an exploded perspective view showing a controlling bulb
25 and its relating holder and socket according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

Referring to figure 1 and 2, they show respectively a normal bulb (1) and a controlling bulb (2). The normal bulb (1) is received in a holder (11) having two side grooves (111). A socket (12) having two inner projections (121) receives the holder (11), while the two projections (121) are just engaged within the grooves (111) of the holder (11) in secure.

The controlling bulb (2) is received in a relating holder (21) having four grooves (211) in cross. The relating socket (22) is provided with four projections (221) at a same position relating to the said four grooves (211). When the controlling bulb (2) and the holder (21) is put inside the socket (22), the four crossed projections (221) are then engaged within the four grooves (211) of the holder (21) that obtains a firm connection. Since the normal bulb (1) has the projection (121) and the grooves (111) at a different position from the controlling bulb (2) has, the controlling bulb (2) is then easy to be identified from the normal bulb and hence it can and only can be received in the relating socket (22) that will be the right position on the light string.

Above all, the character of the present invention is to provide a relating groove and a projection on the holder and the socket to ensure the corrective connection for the controlling bulb or the normal bulb. The said embodiment is just an exemplary to disclose this invention. And any other modification being similar to the present invention will be claimed in the application.